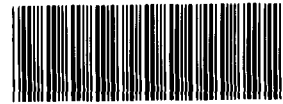




Rocky Mountain
Remediation Services, L.L.C
protecting the environment

Rocky Flats Environmental Technology Site
P.O. Box 464
Golden, Colorado 80402-0464
(303) 966-7000



000100257

CORRES. CONTROL
OUTGOING LTR NO

DOE ORDER #

98 RFD 3825

July 28, 1998

98-RF-03805

DIST	LTR ENC
Bengal, P	
Benson, C A.	
Burdell, W.J	
Crawford, A.C	
Cypher, N P	X X
Dunstan, L.A.	
Findley, M	
Gunn, L	
Hopkins, J. K.	
Huffman, F.M.	
Hughes, F.P	
Jenkins, K	
Konwinski, G	
Law, J. E.	X X
Motyl, K. M	
Primrose, A. L.	
Rukavina, F.	
Steffen, D. E.	
Wheeler, M.	

Joseph A Legare
Assistant Manager, Environmental Compliance
DOE, RFFO
Building 460

SUBMITTAL OF THE QUARTERLY WELL STATUS REPORT - JEL-129-98

Action None required

A copy of the Well Status Report is attached. This report includes the groundwater monitoring summary table and the Rocky Flats Groundwater Sampling Field Database Spreadsheet for the second quarter of the 1998 Groundwater Monitoring Program.

Please contact John Boylan (extension 5182) or Rob Smith of Water Management and Treatment (extension 7898) if you have any questions.

John E. Law, P.E.
Director
Environmental Restoration

PATS (T130G)
RMRS CC (116) X X
CORRES CONTROL X X
TRAFFIC

JAB slm

Original and 1 cc -- Joseph A Legare

CLASSIFICATION

UCNI
UNCLASSIFIED X X
CONFIDENTIAL
SECRET

Attachments
As stated

AUTHORIZED CLASSIFIER
SIGNATURE

DOCUMENT CLASSIFICATION

REVIEW WAIVER PER

Exemption # CEX-010-88

DATE

IN REPLY TO RFP CC NO

cc
B April DOE/RFFO Bldg 460
N I Castaneda DOE/RFFO Bldg 460
T G Hedahl Kaiser-Hill Bldg T130C
N B Sandlin Kaiser-Hill Bldg 850
G H Setlock Kaiser-Hill Bldg T130C

ACTION ITEM STATUS

☐ OPEN ☐ CLOSED

☐ PARTIAL

LTR APPROVALS.

ADMIN RECCD

SW-A-004460



DOE GROUNDWATER STATUS REPORT SECOND QUARTER 1998

- 1 Water level measurements were completed on 272 wells. This reflects a revision of the water level program, and includes removal of 47 wells from and addition of 25 wells to the set of wells measured in the previous quarter. Revisions were based on recent updates to the Integrated Monitoring Plan.
- 2 A total of 57 wells were sampled, out of 98 program wells. (See attached table and spreadsheet, the spreadsheet is attached in both hard copy and IBM-format diskette.)
- 3 No wells were abandoned. No wells were removed from the sampling program. Four other sampling locations (including 2 surface water sites and 2 collection wells) were added to the program, and are included in the above tally of 98 program wells.
- 4 The sampling schedule was revised. A number of monitoring wells in the program were reassigned a more frequent sampling schedule. These wells, which were previously sampled semi-annually, are now sampled more frequently (monthly to quarterly). The number of sampling events at program wells in this quarter was 58. The total number of sampling events in the current two-quarter sampling period (2nd and 3rd quarter 1998) will be 122. These changes are all a result of recent updates to the Integrated Monitoring Plan.
- 5 Several special, non-programmatic activities were performed including characterization sampling of wells in the vicinity of the Solar Ponds-related nitrate plume, characterization sampling of soils at the 903 Pad, and potentiometric surface characterization in and around the PU&D Yard, northern OU2/B-Ponds, and Woman Creek.
- 6 Water-level probes were installed in 25 program wells across RFETS. These probes are programmed to collect water level data on a twice-daily to six times daily schedule.

Groundwater Monitoring Summary Table

Total Number of Wells in Monitoring Program	Number of Wells Sampled	Number of Wells Added to Sample Program During Quarter	Number of Wells Removed From Program During Quarter	Number of Wells Yielding Partial Studies	Number of Technically Dry Wells Not Developed	Number of Dry Program Wells	Number of Water Level Measurements Completed*	Number of Damaged Wells	Number of Wells Abandoned During Quarter
98	57	4	0	11	3	5	472	0	0

*Does not include water levels taken during sampling or for non-programmatic activities

ROCKY FLATS GROUNDWATER SAMPLING FIELD DATABASE

SPRING - SUMMER 1998

MOST WELLS SAMPLED ON A SEMI-ANNUAL BASIS

Well ID	Grid	ZONE	Analyte Code	Northing	Easting	Well Type	# of Visits	Date Purged	First Date Sampled	Full Set (Y/N)	Restrictions	Depth To Water	Baseline Depth	Total Depth	Depth Diff	Top of Screen	Bott of Screen	Length of Sump	Sample ID#
00491	N-8	G	2	748645	2086807	C							21 64			9 60	19 60	2'	
00597	K-12	B	8	752145	2083307	R							24 43			7 43	22 43	2 0'	
00797	L-7	C	1	747797	2084005	C							30 42			18 28			
00997	P-11	B	3	751561	2088854	C							10 40			5 66			
0386	U-10	E	4	750543	2093778	D					Slope		25 56			12 26			
0386LR			4																
03991	P-10	H	2	750401	2088449	C							41 75			5 09		2'	
04591	P-9	G	2	749286	2088034	C					E SF		48 64			38 10			
0487	L-7	C	1	747943	2084887	C							22 01			5 33			
05091	P-9	C	2	749894	2088825	C							48 22			34 00			
05091DUP			2																
05091RS			2																
05391	P-10	H	2	750153	2088298	C							39 51			27 10			
05891	O-10	H	2	750053	2087621	C							39 78						
06491	U-11	E	4	751193	2093867	C							20 29			13 40			
07391	M-8	G	2	748548	2085827	C					RCA		15 58			7 40			
10194	P-9	G	2	749121	2088284	C							54 20			30 80			
10294	U-2	E	4	742319	2093691						CRK		17 00			4 60			
10294LR			4																
10394	U-4	E	4	744947	2093684	C							12 70			3 20		2 2'	
10692	K-7	C	1	747745	2083638	C							23 70			7 83			

ROCKY FLATS GROUNDWATER SAMPLING FIELD DATABASE

SPRING - SUMMER 1998

MOST WELLS SAMPLED ON A SEMI-ANNUAL BASIS

Well ID	Grid	ZONE	Analyte Code	Northing	Easting	Well Type	# of Visits	Date Purged	First Date Sampled	Full Set (Y/N)	Restrictions	Depth To Water	Baseline Depth	Total Depth	Depth Diff	Top of Screen	Bott of Screen	Length of Sump	Sample ID#
10992	L-7	C	1	747775	2084780	C							33 67			7 04			
10984	K-7	C	6	747431	2083266	C							21 70			14.40	19.40	2.5'	
12691	O-9	H	2	749952	2087419	C							67 23			50 10			
22596	J-10	A	7	751266	2082750						PA		27 00			14 50	29 50	2 0'	
22696	K-11	A	7	750747	2083516						PA		19 50			17 50			
22896	K-10	A	7	750369	2083393						PA		26 20			23 30			
22996	L-9	F	3	749188	2084557								11 50			8 50			
23096	N-7	C	2	747836	2086086								16 00			14 00			
23296	O-10	B	2	750683	2087624						Slope		10 00			8 00			
38591	L-7	C	1	747408	2084659	C							11.84			7 66			
41591	U-8	E	4	748800	2093914	D							15 56			8 40			
41591LR			4																
41691	U-13	E	4	753470	2093851	D							19 44			7 05			
43392	I-8	C	7	748034	2081537	B							35 38			25 55		2 6'	
4757	L-7	C	1	747779	2084903	C							9 80			5 67			

5

ROCKY FLATS GROUNDWATER SAMPLING FIELD DATABASE

SPRING - SUMMER 1998

MOST WELLS SAMPLED ON A SEMI-ANNUAL BASIS

Well ID	Grid	ZONE	Analyte Code	Northing	Easting	Well Type	# of Visits	Date Purged	First Date Sampled	Full Set (Y/N)	Restrictions	Depth To Water	Baseline Depth	Total Depth	Depth Diff	Top of Screen	Bott of Screen	Length of Sump	Sample ID#
4887	L-7	C	1	747829	2084691	C							12.37			5.57			
52994*	M-13	B	8	753196	2085085	C	1	8/23/98	NA	N	DRY		20.00	18.97	1.03	10.00			GW06033TE
6186	K-9	A	7	749198	2083717	IOU					PA		13.83			6.43			
6286	M-8	G	2	748143	2085725	C							36.86			26.75			
6386	M-8	G	2	748145	2085753	C							17.12			5.12			
6486	M-7	C	1	747672	2085610	C							11.45			5.39			
6586	O-7	C	2	747881	2087501	C	1	8/18/98	8/18/98	Y		8.25	10.07			4.60	10.10	0.0'	GW06039TE
70193DUP			8																
70193RS			8																
70393LR			8																
7086	J-7	C	6	747491	2082003	C							9.94			4.42			
75992	N-10	B	9	750290	2086628	C							14.02			5.00		2'	
76992	L-12	B	8	752561	2084500	C							14.40			6.40		2'	
P114389	I-10	F	7	750990	2081739	IOU	2	8/18/98	8/19/98	N		6.85	17.77	17.82	0.05	10.07		1.3'	GW06040TE
P209389	L-10	A	5	750864	2084130	R					PA		32.10			18.74			
P313589	K-8	F	7	748510	2083547	IOU							15.71			9.65		1.3'	
P314289	K-8	F	7	748216	2083280	IOU							16.71			11.11			

SPRING - SUMMER 1998

MOST WELLS SAMPLED ON A SEMI-ANNUAL BASIS

See last page for header description